

On page 17, line 3, after "formats." insert --For example,

FIG. 4B shows three magnetic levels - a high magnetic level 28a,  
a low magnetic level 28b, and a medium magnetic level 28c.--

On page 18, line 6, after "28b" insert --, 28c--.

In the claims:

Please cancel claims 22, 27, 34, and 41-44 without prejudice.

In claim 11, line 3, before "characteristic" please insert - magnetic--.

In claim 39, on lines 2 and 3, replace "graphic indicia" with --pattern--.

In claim 40, on line 2, replace "graphical indicia" with -- pattern--.

Please amend claims 1, 3, 12, 20, 21, 23, 29, 35, 45, 47, 48  
and 49 as follows:

1. **(Amended)** A magnetic/metallic security device for use  
with an item to provide multiple security features, said  
magnetic/metallic security device comprising:

a carrier substrate having a width;  
a metallic layer disposed on at least a portion of said  
carrier substrate, for providing metallic security features,  
wherein said metallic layer forms a plurality of conductive  
regions on said carrier substrate, wherein said conductive

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9 regions are separated by non-conductive regions which extend  
10 entirely across said width of said carrier substrate; and  
11 a magnetic layer disposed on and in substantially identical  
12 registration with at least one of said plurality of said  
13 [metallic layer] conductive regions, for providing magnetic  
14 security features, wherein said magnetic layer and said at least  
15 one conductive regions in substantially identical registration  
16 include recesses, said recesses forming visually identifiable  
17 indicia [wherein said metallic layer and said magnetic layer  
18 together form visually identifiable graphic indicia on said at  
19 least a portion of said carrier substrate.]

1 <sup>48</sup>  
2 8. (Amended) The magnetic/metallic security device of  
3 claim [1] <sup>47</sup> 55, wherein said visually identifiable graphic indicia  
4 is formed as magnetic/metal graphic indicia [characters] readable  
5 by MICR detectors.

1 <sup>11</sup>  
2 12. (Amended) The magnetic/metallic security device of claim  
3 1 wherein [said metal layer forms a plurality of conductive  
4 regions on said substrate, wherein] at least first and second  
5 conductive regions of said plurality of [said] conductive regions  
6 [are] separated by non-conductive regions [and] have at least two  
7 different predetermined lengths forming at least first and second  
8 metallic characteristics respectively, forming a predetermined

Q4 CDUE. 8 pattern [for] representing [encoded] data encoded by said  
9 metallic layer, and wherein said predetermined [lengths of said  
10 conductive regions are detectable to read said predetermined]  
11 pattern may be detected and read to [and] decode said data.

19 20. (Amended) A magnetic security device for use with an  
2 item, said magnetic security device comprising:  
3 a carrier substrate having a width; [and]  
4 a metallic layer disposed on at least a portion of said  
5 carrier substrate, for providing metallic security features,  
6 wherein said metallic layer forms a plurality of conductive  
7 regions on said carrier substrate, wherein said conductive  
8 regions are separated by non-conductive regions which extend  
9 entirely across said width of said carrier substrate; and  
Q5 Cont. 10 a [plurality of] magnetic layer [regions] disposed on and in  
11 substantially identical registration with at least one of said  
12 plurality of conductive regions, for providing magnetic security  
13 features, wherein said magnetic layer and said at least one  
14 conductive regions in substantially identical registration  
15 include recesses, said recesses forming visually identifiable  
16 indicia [said carrier substrate], wherein said plurality of  
17 magnetic regions include at least first and second types of soft  
18 magnetic pigments having first and second predetermined magnetic  
19 decay rates [have different predetermined magnetic

20 **characteristics]**, wherein said plurality of magnetic regions  
21 having said first and second predetermined magnetic decay rates  
22 **[different predetermined magnetic characteristics]** are arranged  
23 in a predetermined pattern representing data encoded by said  
24 magnetic regions such that said first and second predetermined  
25 magnetic decay rates **[characteristics]** are [detectable to read  
26 said predetermined] <sup>capable of being</sup> ~~pattern may be~~ detected and read to **[and]**  
27 decode said data.

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Q5  
Contd.  
1 <sup>20</sup> 21. (Amended) The magnetic security device of claim <sup>19</sup> 20,  
2 wherein said **[different predetermined characteristics include at**  
3 **least]** first and second predetermined magnetic decay rates  
4 represent **[characteristics representing]** binary integers, and  
5 wherein said predetermined pattern of said magnetic regions  
6 having said first and second predetermined magnetic decay rates  
7 **[characteristics]** represents data in a binary coded format.

1 <sup>21</sup> 23. (Amended) The magnetic security device of claim <sup>19</sup> 20,  
2 wherein said **[magnetic regions having said different**  
3 **predetermined magnetic characteristics include at least]** first  
4 and second types of soft magnetic pigments are capable of holding  
5 first and second predetermined levels of magnetism, wherein said  
6 magnetic regions having said first and second levels of magnetism  
7 are arranged in said predetermined pattern such that said first

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Q6 8 and second levels of magnetism may be detected and read to decode  
COW 9 said data encoded by said magnetic regions.

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1 16  
29. (Amended) A method of making a magnetic/metallic  
2 security device having a plurality of security features, said  
3 method comprising:

4 providing a carrier substrate having first and second  
5 surfaces;

6 applying a metallic layer to at least a portion of said  
7 first surface of said carrier substrate;

8 applying a magnetic layer over at least a portion of said  
9 metallic layer; and

Q7 10 etching said magnetic layer and said metallic layer such  
11 that at least a portion of said magnetic layer and said metallic  
12 layer are in substantially identical registration and together  
13 form visually identifiable indicia on said carrier substrate,

14 wherein said metallic layer is etched such that said metallic

15 layer forms a plurality of conductive regions on said substrate,

16 wherein said conductive regions are separated by non-conductive

17 regions extending across an entire width of said carrier

18 substrate.

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35. (Amended) A method of making a magnetic/metallic  
2 security device having a plurality of security features, said  
3 method comprising:

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4 providing a carrier substrate having first and second  
5 surfaces;

6 applying a metallic layer to at least a portion of said  
7 first surface of said carrier substrate;

8 applying a magnetic chemical resist to at least a portion of  
9 said metallic layer, wherein said magnetic chemical resist forms  
10 a pattern on said metallic layer; and

11 chemically etching said metallic layer to remove exposed  
12 portions of said metallic layer, wherein chemical etching is  
13 resisted by said magnetic chemical resist such that said magnetic  
14 chemical resist and at least a portion of said metallic layer  
15 underlying said magnetic chemical resist are in substantially  
16 identical registration and together form visually identifiable  
17 indicia on said carrier substrate, wherein said metallic layer is  
18 chemically etched such that said metallic layer forms a plurality  
19 of conductive regions on said substrate, wherein said conductive  
20 regions are separated by non-conductive regions extending across  
21 an entire width of said carrier substrate [together form said  
22 pattern on said carrier substrate].

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45. (Amended) The method of claim 50 [41] wherein said  
1 magnetic characteristic [data] includes a magnetic level.

3 <sup>40</sup>47. (Amended) The method of claim <sup>37</sup>~~50~~ [45] wherein said  
4 magnetic characteristic [expected data] includes the rate of  
5 decay of said charged magnetic region [level].

1 <sup>41</sup>48. (Amended) The method of claim <sup>37</sup>~~50~~ [41] further including  
2 before the step of charging [writing data to] said magnetic  
3 region [layer] the step of determining the presence of said [a]  
4 magnetic region [layer] on said magnetic/metallic security  
5 device.

B 1 <sup>42</sup>49. (Amended) [A] The method of claim <sup>37</sup>~~41~~ <sup>37</sup>~~50~~ further  
2 including before the step of charging [writing data to] said  
3 magnetic region [layer] the step of determining the presence of  
4 said [a] metallic region [layer] on said magnetic/metallic  
5 security device.

Please add new claims 50-62 as follows:

1 <sup>37</sup>50. A method of authenticating a magnetic/metallic security  
2 device including at least one magnetic region having at least one  
3 predetermined magnetic characteristic and at least one metallic  
4 region having at least one predetermined metallic characteristic,  
5 said method comprising the steps of:  
6 charging said magnetic region of said magnetic/metallic  
7 security device;

8 detecting said predetermined magnetic characteristic of said  
9 charged magnetic region;

10 detecting said at least one predetermined metallic  
11 characteristic of said at least one metallic region; and

12 comparing said at least one predetermined magnetic  
13 characteristic and said at least one predetermined metallic  
14 characteristic to expected magnetic and metallic characteristics.

1 <sup>43</sup>51. The method of claim <sup>37</sup>50 wherein said at least one  
2 magnetic region includes hard magnetics for recording data  
3 thereon, and further including the step of reading said data  
4 recorded on said at least one magnetic region.

all CDnt.  
1 <sup>44</sup>52. The method of claim <sup>43</sup>51 wherein said data recorded on  
2 said magnetic region includes analog data.

1 <sup>45</sup>53. The method of claim <sup>43</sup>51 wherein said data recorded on  
2 said magnetic region includes digital data.

1 <sup>46</sup>54. The method of claim <sup>37</sup>50 wherein said metallic  
2 characteristic includes a length of said metallic region.

1 <sup>47</sup>55. A magnetic/metallic security device for use with an  
2 item to provide multiple security features, said  
3 magnetic/metallic security device comprising:

4 a carrier substrate;

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5 a metallic layer disposed on at least a portion of said  
6 carrier substrate, for providing metallic security features; and  
7 a magnetic layer disposed on and in substantially identical  
8 registration with said metallic layer, for providing magnetic  
9 security features, wherein said magnetic layer and said metallic  
10 layer together form visually identifiable graphic indicia on said  
11 at least a portion of said carrier substrate.

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1 56. A magnetic/metallic security device for use with an  
2 item to provide multiple security features, said  
3 magnetic/metallic security device comprising:

4 a carrier substrate;

5 a metallic layer disposed on at least a portion of said  
6 carrier substrate, for providing metallic security features; and

all cont. 7 a magnetic layer disposed on and in substantially identical  
8 registration with said metallic layer, for providing magnetic  
9 security features, wherein said magnetic layer and said metallic  
10 layer together form visually identifiable magnetic/metal graphic  
11 indicia on said at least a portion of said carrier substrate.

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1 57. A metallic security device for use with an item, said  
2 metallic security device comprising:

3 a carrier substrate having a width; and

4 a plurality of conductive regions formed by a metallic layer  
5 disposed on said carrier substrate, wherein said conductive

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6 regions are separated by non-conductive regions extending across  
7 said width of said carrier substrate, said conductive regions  
8 having at least two different predetermined lengths forming a  
9 predetermined pattern for representing encoded data, and wherein  
10 said predetermined pattern may be detected and read to decode  
11 said data; and

12 a magnetic layer disposed on and in substantially identical  
13 registration with said metallic layer at least in said plurality  
14 of conductive regions, for providing magnetic security features,  
15 wherein said magnetic layer and said metallic layer in  
16 substantially identical registration include recesses, said  
17 recesses forming visually identifiable indicia.

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~~58~~

1 A method of making a magnetic/metallic security  
2 device having a plurality of security features, said method  
3 comprising:

4 providing a carrier substrate having a width and first and  
5 second surfaces;

6 applying a metallic layer to at least a portion of said  
7 first surface of said carrier substrate, said applied metallic  
8 layer forming a plurality of conductive regions separated by non-  
9 conductive regions that extend entirely across said width of said  
10 carrier substrate;

11 applying a magnetic layer over at least a portion of said  
12 metallic layer; and

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13 etching at least one of said magnetic layer and said  
14 metallic layer such that at least a portion of said magnetic  
15 layer and said metallic layer are in substantially identical  
16 registration and wherein said magnetic layer and said metallic  
17 layer in substantially identical registration include recesses,  
18 said recesses forming visually identifiable indicia.

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1 59. A method of making a magnetic/metallic security device  
2 having a plurality of security features, said method comprising:

3 providing a carrier substrate having a width and first and  
4 second surfaces;

5 applying a metallic layer to at least a portion of said  
6 first surface of said carrier substrate;

7 applying a magnetic chemical resist to at least a portion of  
8 said metallic layer, wherein said magnetic chemical resist forms  
9 a pattern on said metallic layer; and

10 chemically etching said metallic layer to remove exposed  
11 portions of said metallic layer forming a plurality of conductive  
12 regions separated by non-conductive regions that extend entirely  
13 across said width of said carrier substrate, wherein chemical  
14 etching is resisted by said magnetic chemical resist such that  
15 said magnetic chemical resist and at least a portion of said  
16 metallic layer underlying said magnetic chemical resist are in  
17 substantially identical registration and together form visually  
18 identifiable indicia on said carrier substrate, and wherein said

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19 magnetic layer and said metallic layer in substantially identical  
All 20 registration include recesses, said recesses forming said visually  
Cont. 21 identifiable indicia.

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1 A method of making a magnetic/metallic security  
2 device having a plurality of security features, said method  
3 comprising:

4 providing a carrier substrate having first and second  
5 surfaces;

6 applying a metallic layer directly to at least a portion of  
7 said first surface of said carrier substrate; and

all cont. 8 applying a magnetic layer over at least a portion of said  
9 metallic layer such that at least a portion of said magnetic  
10 layer and said metallic layer are in substantially identical  
11 registration and wherein said magnetic layer and said metallic  
12 layer in substantially identical registration together form  
13 visually identifiable graphic indicia.

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1 A magnetic/metallic security device for use with an  
2 item to provide multiple security features, said  
3 magnetic/metallic security device comprising:

4 a carrier substrate having a width; and

5 a magnetic/metal security feature comprising:

6 a magnetic/metal security feature including a metallic layer  
7 disposed on at least a portion of said carrier substrate, for  
8 providing metallic security features, along with a magnetic layer  
9 disposed on and in substantially identical registration with said  
10 metallic layer, for providing magnetic security features, wherein  
11 said magnetic layer and said metallic layer together form  
12 visually identifiable magnetic/metal graphic indicia on said at  
13 least a portion of said carrier substrate; and/or

14 a magnetic/metal security feature including a metallic layer  
15 disposed on at least a portion of said carrier substrate, for  
16 providing metallic security features, wherein said metallic layer  
17 forms a plurality of conductive regions on said carrier  
18 substrate, wherein said conductive regions are separated by non-  
19 conductive regions which extend entirely across said width of  
20 said carrier substrate, along with a magnetic layer disposed on  
21 and in substantially identical registration with at least one of  
22 said plurality of conductive regions, for providing magnetic  
23 security features, wherein said magnetic layer and said at least  
24 one conductive regions in substantially identical registration

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25 include recesses, said recesses forming visually identifiable  
26 indicia.

All  
Cont.<sup>27</sup>

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